

Db 349 PLYANVHHQKGKDEGVVYVSVHRTSKRSEARSAEFTVGRKDSIIICAEVRCLQPSEVSST 408

QY 421 EVNMR SRLQEPLSDCEEVLC 441
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Db 409 EVNMR SRLQEPLSDCEEVLC 429

A

RESULT 4

ALIGNMENT #1

ADF74340

ID ADF74340 standard; protein; 419 AA.

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AC ADF74340;

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DT 26-FEB-2004 (first entry)

XX

DE Human FcRH 6 protein (SeqID 28).

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KW Fc receptor homologue; FcRH; human; chromosome 1q21-23;

KW type I transmembrane receptor; immunoglobulin; cellular immunity;

KW haematopoietic cell lineage; inflammatory; autoimmune disease;

KW humoral immune response; antiinflammatory; immunosuppressive.

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OS Homo sapiens.

XX

PN WO2003089624-A2.

XX

PD 30-OCT-2003.

XX

PF 25-MAR-2003; 2003WO-US009600.

XX

PR 25-MAR-2002; 2002US-0367667P.

XX

PA (UABR-) UAB RES FOUND.

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PI Davis RS, Cooper MD;

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DR WPI; 2003-854118/79.

XX

PT New isolated Fc receptor homologue (FcRH) comprising a cytoplasmic,

PT transmembrane and an extracellular region, useful for the diagnosis

PT and/or treatment of hematopoietic cell lineage, inflammatory and

PT autoimmune diseases.

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PS Claim 45; SEQ ID NO 28; 135pp; English.

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CC This invention relates to novel members of the Fc receptor homologue

CC (FcRH) subfamily mapped to human chromosome 1q21-23, as well as fragments

CC and variants thereof. Specifically, it refers to the type I transmembrane

CC receptors for the Fc region of immunoglobulins and the alternatively

CC spliced homologues, which work to modulate cellular and humoral immunity.

CC The present invention indicates that each FcRH has an extracellular

CC region, a transmembrane region and cytoplasmic region, where the latter

CC comprises one or more immunoreceptor tyrosine-based inhibitory or
 CC activation motifs. As such, the methods and compositions described herein
 CC are useful for the diagnosis and/ or treatment of haematopoietic cell
 CC lineage, inflammatory and autoimmune diseases, as well as in the
 CC modulation of a humoral immune response in a subject. Accordingly, these
 CC compositions have antiinflammatory and immunosuppressive activities. This
 CC polypeptide sequence is the human FcRH6 protein of the invention.

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SQ Sequence 419 AA;

Query Match 95.0%; Score 2222; DB 1; Length 419;
 Best Local Similarity 100.0%;
 Matches 419; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy	23	KTVWLYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTLMSGAA	TV 82
Db	1	KTVWLYLQAWPNPVFEGDALTLRCQGWKNTPLSQVKFYRDGKFLHFSKENQTLMSGAA	TV 60
Qy	83	QSRGQYSCSGQVMYIPQITFTQITSETAMVQVQELFPPPVLSAIPSPPEPREGSLVTLRCQTK	142
Db	61	QSRGQYSCSGQVMYIPQITFTQITSETAMVQVQELFPPPVLSAIPSPPEPREGSLVTLRCQTK	120
Qy	143	LHPLRSALRLLSFHKDGHTLQDRGPHPELCIPGAKEGDSGLYWCEVAPEGGVQKQSPQ	202
Db	121	LHPLRSALRLLSFHKDGHTLQDRGPHPELCIPGAKEGDSGLYWCEVAPEGGVQKQSPQ	180
Qy	203	LEVRVQAPVSRPVLTLHHGPADPAVGDMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPC	262
Db	181	LEVRVQAPVSRPVLTLHHGPADPAVGDMVQLLCEAQRGSPPILYSFYLDEKIVGNHSAPC	240
Qy	263	GGTTSLLFPVKSEQDAGNYSCEAENSVSRRSEPKKLSLKGSQLVFTPASINWLVFWLPAS	322
Db	241	GGTTSLLFPVKSEQDAGNYSCEAENSVSRRSEPKKLSLKGSQLVFTPASINWLVFWLPAS	300
Qy	323	LLGLMVIAAALLVYVRSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKKGDEGVVYSVWH	382
Db	301	LLGLMVIAAALLVYVRSWRKAGPLPSQIPPTAPGGEQCPLYANVHHQKKGDEGVVYSVWH	360
Qy	383	RTSKRSEARSAEFTVGRKDSIIICAEVRCLQPSEVSSTEVMNRSRTLQEPLSDCEEVLIC	441
Db	361	RTSKRSEARSAEFTVGRKDSIIICAEVRCLQPSEVSSTEVMNRSRTLQEPLSDCEEVLIC	419

RESULT 5

ADQ81888

ID ADQ81888 standard; protein; 413 AA.

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AC ADQ81888;

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DT 15-JUN-2007 (revised)

DT 21-OCT-2004 (first entry)

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